

5-022.08 SAN JOAQUIN VALLEY - KINGS

Basin Boundaries

Summary

The Kings Subbasin is located within the San Joaquin Groundwater Basin and is bounded on the north by the San Joaquin River. The eastern boundary is comprised of the contact of the alluvium with the metasedimentary, metavolcanics and granitic rocks of the Sierra Nevada foothills. The southern and western boundaries follow a combination of jurisdictional boundaries, the largest of which include the Tulare/Kings County line, the Kings River, and the Westlands Water District. The basin is defined by the 22 segments detailed in the descriptions below.

Segment Descriptions

| <u>Segment Label</u> | <u>Segment Type</u> | <u>Description</u> | <u>Ref</u> |
|----------------------|---------------------------|---|------------|
| 1-2 | ^I Water Agency | Begins at point (1) and follows the Farmers Water District boundary to point (2). | {a} |
| 2-3 | ^I Stream | Continues from point (2) and follows the San Joaquin River to point (3). | {b} |
| 3-4 | ^E Alluvial | Continues from point (3) and follows the contact of the alluvial sediments with the metasedimentary, metavolcanics and granitic rocks to point (4). | {c} |
| 4-5 | ^I Water Agency | Continues from point (4) and follows the Alta Irrigation District boundary to point (5). | {a} |
| 5-6 | ^I Stream | Continues from point (5) and follows Cross Creek as it turns into a drainage ditch to point (6). | {b} |
| 6-7 | ^I County | Continues from point (6) and follows the Kings/Tulare County line to point (7). | {d} |
| 7-8 | ^I Stream | Continues from point (7) and follows the Kings River to point (8). | {b} |
| 8-9 | ^I Water Agency | Continues from point (8) and follows the Consolidated Irrigation District Boundary to point (9). | {a} |
| 9-10 | ^I Water Agency | Continues from point (9) and follows the Kings County Water District boundary to point (10). | {a} |
| 10-11 | ^I Stream | Continues from point (10) and follows the Kings River before following the South Fork Kings River to point (11). | {b} |
| 11-12 | ^I Water Agency | Continues from point (11) and follows the boundaries of the John Heinlen Mutual Water Company to point (12). | {a} |
| 12-13 | ^I Water Agency | Continues from point (12) and follows the Westlands Water District boundary to point (13). | {a} |
| 13-14 | ^I Water Agency | Continues from point (13) and follows the Lemoore Naval Air Station boundary to point (14). | {a} |
| 14-15 | ^I | Continues from point (14) and follows the Westlands Water District | {a} |

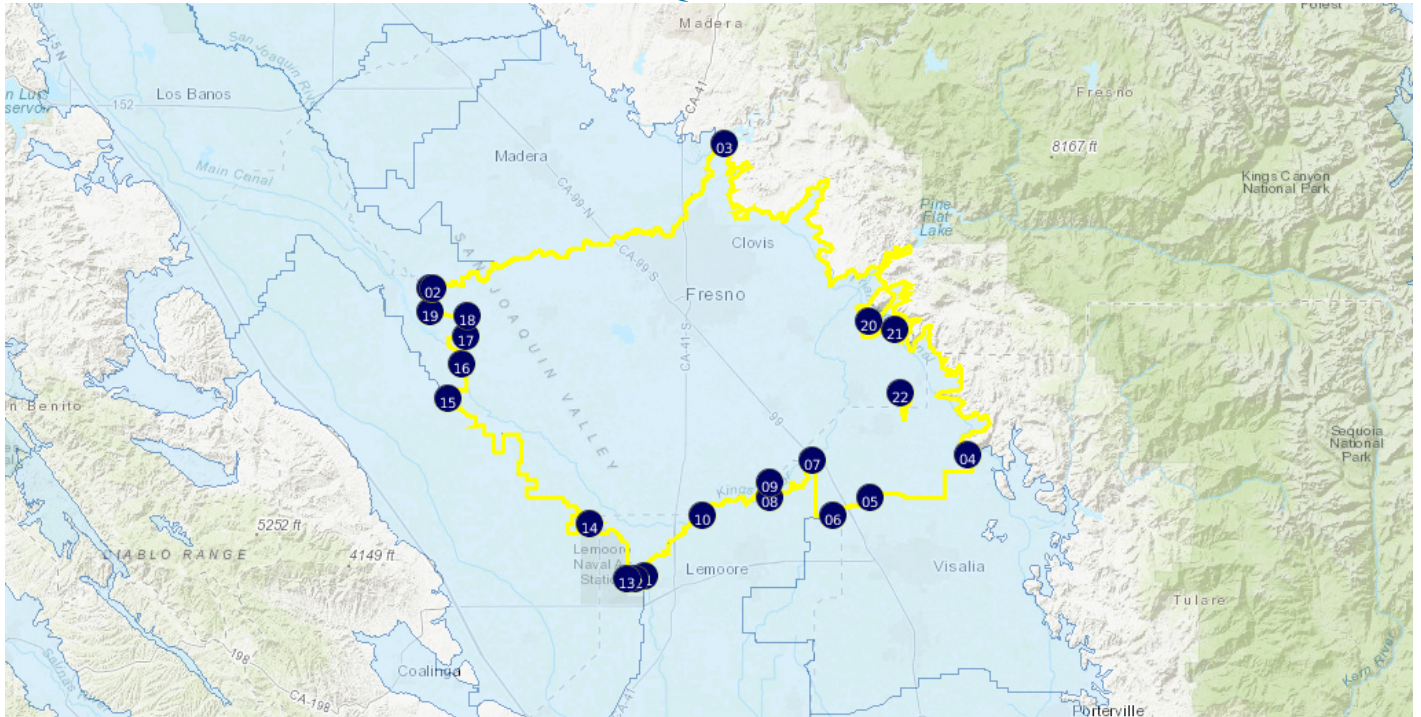
| | | | |
|-------|--------------------------------|--|-----|
| | Water Agency | boundary to point (15). | |
| 15-16 | ^I Water Agency | Continues from point (15) and follows the Tranquility Irrigation District boundary to point (16). | {a} |
| 16-17 | ^I Water Agency | Continues from point (16) and generally follows the Reclamation District # 1606 boundary to point (17). | {a} |
| 17-18 | ^I Water Agency | Continues from point (17) and follows the Mid-Valley Water District boundary to point (18). | {a} |
| 18-19 | ^I Transportation | Continues from point (18) and follows the San Joaquin Valley railroad tracks to point (19). | {e} |
| 19-1 | ^I TRS | Continues north from point (19) and follows the PLS section line and ends at point (1). | {f} |
| 20-20 | ^I Alluvial | Continues from point (20) and follows the contact of alluvium and mesozoic intrusive rocks back to point (20). | {c} |
| 21-21 | ^I Alluvial | Starts at point (21) and follows boundary between alluvium and mesozoic granitic rocks and ends at point (21). | {c} |
| 22-22 | ^I Alluvial | Starts at point (22) and follows the contact of the alluvium with the Pre-Cretaceous metamorphic and Mesozoic ultrabasic intrusive rocks to end at point (22). | {c} |

Significant Coordinates

| <u>Point</u> | <u>Latitude</u> | <u>Longitude</u> | |
|--------------|-----------------|------------------|--|
| 1 | 36.763488631 | -120.296074491 | |
| 2 | 36.76347901 | -120.292414942 | |
| 3 | 36.994858019 | -119.710091042 | |
| 4 | 36.498508498 | -119.223451944 | |
| 5 | 36.429145646 | -119.416491033 | |
| 6 | 36.400962272 | -119.492597659 | |
| 7 | 36.488920669 | -119.534105111 | |
| 8 | 36.429011661 | -119.61859991 | |
| 9 | 36.452798079 | -119.617160788 | |
| 10 | 36.401580406 | -119.751607058 | |
| 11 | 36.30396525 | -119.869046058 | |
| 12 | 36.299231771 | -119.887246132 | |
| 13 | 36.299261957 | -119.904935729 | |
| 14 | 36.386502 | -119.977266 | |
| 15 | 36.588151144 | -120.261297877 | |
| 16 | 36.644177188 | -120.233771005 | |
| 17 | 36.686805364 | -120.224592055 | |
| 18 | 36.719922508 | -120.223720615 | |
| 19 | 36.727149764 | -120.296922163 | |
| 20 | 36.711230471 | -119.42036533 | |
| 21 | 36.698704567 | -119.36923236 | |
| 22 | 36.597957209 | -119.357181282 | |

Map

5-022.08 SAN JOAQUIN VALLEY - KINGS



<https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=5-022.08>

References

| Ref | Citation | Pub Date | Global ID |
|------------|--|-----------------|------------------|
| {a} | California Department of Water Resources (DWR), Water Agencies Dataset.URL: https://gis.water.ca.gov/app/bbat/ | 2016 | 48 |
| {b} | United States Geological Survey (USGS), National Hydrography Dataset, Flowline Dataset for California, note: Coordinated effort among the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS), the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).URL: http://nhd.usgs.gov/data.html | 2/1/2016 | 1 |
| {c} | California Geological Survey (CGS), Geologic Atlas of California Map No. 005, Fresno Sheet, , 1:250,000, Robert A. Matthews and John L. Burnett.URL: http://www.quake.ca.gov/gmaps/GAM/fresno/fresno.html | 1965 | 32 |
| {d} | California Department of Forestry and Fire Protection (Cal Fire), California Counties and Paired Dataset (cnty15_1).URL: http://frap.fire.ca.gov/data/frapgisdata-subset | 2/14/15 | 2 |
| {e} | Open Street Maps, Roads and Railroads data.URL: http://www.openstreetmap.org/ | 9/9/16 | 47 |
| {f} | Bureau of Land Management (BLM) California State Office (CASO), Public Land Survey System (PLSS), .URL: http://www.geocommunicator.gov/GeoComm/Isis_home/home/index.htm | 2016 | 41 |

Footnotes

- I: Internal

- E: External